DSL ACCESS PRODUCT

ADSL2+ Triple-Play Access

Model 3101RC

The Patton Model 3101RC provides up to 48 ADSL2/2+ ports of triple-play access,supporting extended reach and higher downstream bandwidth up to 24 Mbps, as well as 3 Mbps uplink speeds.

Built-in Triple Play Support

ADSL2+ high-bandwidth downstream with Multicast support, IGMP snooping, and QoS included.

Annex M

Additional upstream speeds to 3 Mbps accommodate symmetric VoIP traffic.

QoS

Per PVC traffic classification with shaping and policing; 802.1p VLAN priority; ToS/DiffServ stripping and priority queuing

48 ADSL2/2+ Ports

Right size the deployment with the best port-per-card ratio. Easily scale by adding cards.

Per-Port Configuration

To facilitate the provisioning and tailoring of services, ports are independently selectable to the individual DSL standard and required port speeds.

SNMP/HTTP Management

SNMP/HTTP manageable from anywhere in the world including attached CPE units.

Management Features

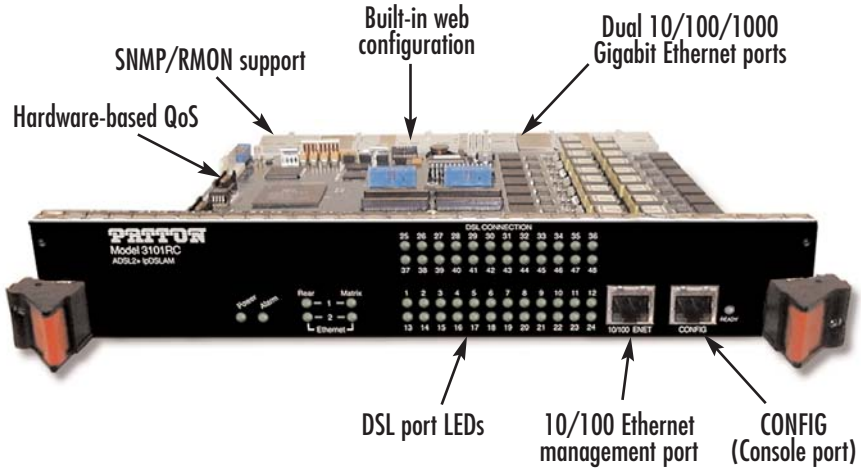
Configurable alarm reporting with SNMP Traps, RMON for performance monitoring, Dying Gasp support on ADSL ports, I.610 OA&M, F5 loopback support, G.PLOAM, embedded HTTPS web server for easy configuration via a browser.

Patton's Model 3101RC delivers affordable ADSL/ADSL2/2+ network access for triple-play ready ADSL service. The ADSL2+ IPDSLAM module, together with Patton's ForeFront Access Platform, is the premier solution for fault tolerant Triple-Play enabled network deployments.

The Model 3101RC offers complete ADSL, ADSL2 and ADSL2+ support including extended range operation, enhanced speeds, and enhanced upstream (Annex M). Each 3101RC IPDSLAM Module includes all the intelligence necessary to function as a complete single card IPDSLAM thereby providing unparalleled redundancy and fault tolerance in network deployments. The Model 3101RC includes redundant 10/100/1000 Ethernet uplink ports as well as redundant mid-plane connections to ensure non-stop operation.

The Model 3101RC is designed for triple-play networks where the reliable delivery of IP based voice, video and data services depends on the QoS metrics that are assigned to the flows. Consequently, the Model 3101RC supports the mapping of ATM CBR/UBR/VBR traffic types and cell rates to IEEE 802.1p/Q VLAN priority classes. VLAN stacking or "Q-in-Q" is likewise supported to ensure transparent extension of subscriber VLAN networks. In order to maximize WAN bandwidth, IGMP Snooping is supported to ensure that IP Multicast traffic is detected and forwarded accordingly.

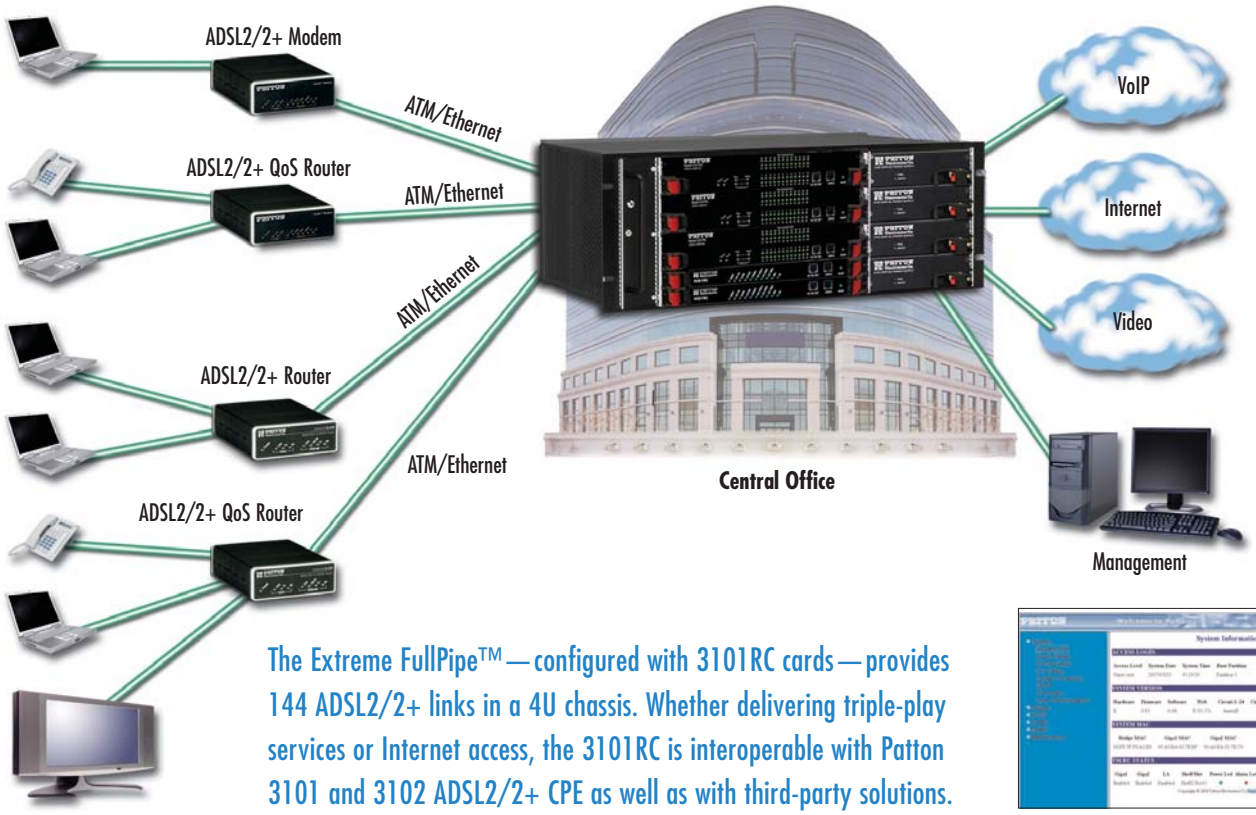
Visit www.patton.com for more information.



3101RC Triple Play IPDSLAM

PATTON

Why use our 3101RC?



The Extreme FullPipe™—configured with 3101RC cards—provides 144 ADSL2/2+ links in a 4U chassis. Whether delivering triple-play services or Internet access, the 3101RC is interoperable with Patton 3101 and 3102 ADSL2/2+ CPE as well as with third-party solutions.

Specifications

ADSL Ports	48 ports configurable as ANSI T1.413i2, G.992.1 (G.DMT) Annex A/B with UR-2, G.992.2 (G.Lite), G.992.3 (ADSL2) Annex A/B/L/M, G.992.5 (ADSL2+) Annex A/B/L/M supporting G.997.1 (G.PLOAM) and G.994.1 (G.HandShake)
Ethernet Ports	Two Gigabit Ethernet backplane-facing, auto-negotiating ports; Two Gigabit Ethernet auto-negotiating rear card ports with RJ-45 interface; Single Fast Ethernet port for management. All ports auto-negotiating, full/half duplex front card; 802.1ad Link Aggregation and LACP; 12 PVCs per port including per PVC traffic classification
ATM Support	12 PVCs per port including per PVC traffic classification; RFC 1483/2684; PPPoE forwarding; AAL5 per I.363.5; Traffic classes: UBC, CBR, VBR-rt, VBR-nrt; UNI 3.1/4.0; I.610 OA&M with F5 loopback

VLAN & Bridging Support	IEEE 802.1Q including per interface tagging; IEEE 802.1p priority queuing and re-striping; VLAN stacking or "Q-inQ"; Spanning Tree (802.1D); RSTP (802.1w); MSTP (802.1s/Q); IGMP Snooping; MAC address filtering (8 per VLAN)
Management Service	HTTP/HTTPS, SNMP, Telnet Ethernet, RS-232 Console Port, SYSLOG Client, Software upgrade via TFTP
Alarm Reporting	Configurable alarms; Remote SNMP Traps; Front Panel LEDs
Compliance	UL-1950; CSA per 22.2-No. 950; FCC Part 15 Class A; CE Mark; EN55022; EN61000; RoHS Compliant
Environment	Operating temperature: 0–60°C (14–104°F) Humidity: 5–90% non-condensing

Model Information

3101RC/48A/2GE: ADSL2+ IPDSLAM card with 48 ADSL Ports, two Gigabit Ethernet ports - Annex A
3101RC/48B/2GE: ADSL2+ IPDSLAM card with 48 ADSL Ports, two Gigabit Ethernet ports - Annex B

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